

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	4463240	prevent or preventing or prevented or stop or stopping or stopped or limiting or limit or limited	US-PGPUB; USPAT	ADJ	ON	2007/05/21 07:19
L3	4999892	formation or create or form or creation or generate or generation or generated or formed or created or forming or creating or generating	US-PGPUB; USPAT	ADJ	ON	2007/05/21 07:21
L4	437942	\$alloy\$	US-PGPUB; USPAT	ADJ	ON	2007/05/21 07:22
L7	3419	1 near4 3 near6 4	US-PGPUB; USPAT	ADJ	ON	2007/05/21 07:32
L8	903	1 adj3 3 adj6 4	US-PGPUB; USPAT	ADJ	ON	2007/05/21 07:42
L9	1	8 and oxygen storage	US-PGPUB; USPAT	ADJ	ON	2007/05/21 07:44
L10	1	"6946013".pn.	US-PGPUB; USPAT	ADJ	ON	2007/05/21 07:54
L11	7	8 and washcoat	US-PGPUB; USPAT	ADJ	ON	2007/05/21 08:24
L12	50	catalytic converter and retention material and housing	US-PGPUB; USPAT	ADJ	ON	2007/05/21 08:28
L13	4	\$"Ce.sub.0.376"\$ or \$"Ce.sub..376"\$	US-PGPUB; USPAT	ADJ	ON	2007/05/21 08:30
L14	18	\$"Y.sub.0.06"\$ or \$"Y.sub..06"\$	US-PGPUB; USPAT	ADJ	ON	2007/05/21 10:19
L15	1	"6387338".pn.	US-PGPUB; USPAT	ADJ	ON	2007/05/21 10:19
S6	4	((("6387338") or ("6034031") or ("5015617") or ("5232890")).PN.	US-PGPUB; USPAT	OR	OFF	2007/05/19 10:43
S9	1	WO003074172A1	US-PGPUB; USPAT; EPO	ADJ	ON	2007/05/19 09:32
S11	1	("0690208").PN.	US-PGPUB; USPAT	OR	OFF	2007/05/19 10:44
S12	1	("6585944").PN.	US-PGPUB; USPAT	OR	OFF	2007/05/19 11:12
S13	1047	non-alloy or non-alloyed or nonalloy or nonalloyed	US-PGPUB; USPAT	ADJ	ON	2007/05/19 11:37
S14	56	S13 and (palladium or Pd) and (Rhodium or Rh)	US-PGPUB; USPAT	ADJ	ON	2007/05/19 11:37
S15	5	"%" near4 S13	US-PGPUB; USPAT	ADJ	ON	2007/05/19 11:20

## EAST Search History

S16	49	S13 and (palladium or Pd) with (Rhodium or Rh)	US-PGPUB; USPAT	ADJ	ON	2007/05/19 11:24
S17	3	S13 with (palladium or Pd) with (Rhodium or Rh)	US-PGPUB; USPAT	ADJ	ON	2007/05/19 11:24
S18	1047	non-alloy or non-alloyed or nonalloy or nonalloyed or "not" alloy or "not" alloyed	US-PGPUB; USPAT	ADJ	ON	2007/05/19 11:26
S19	0	"not" alloyed	US-PGPUB; USPAT	ADJ	ON	2007/05/19 11:26
S20	1657300	"not"	US-PGPUB; USPAT	ADJ	ON	2007/05/19 11:36
S21	2	nunan.in. and S13	US-PGPUB; USPAT	ADJ	ON	2007/05/19 11:36
S22	183	non-alloy or non-alloyed or nonalloy or nonalloyed	EPO; JPO	ADJ	ON	2007/05/19 11:37
S23	4133	(palladium or Pd) and (Rhodium or Rh)	EPO; JPO	ADJ	ON	2007/05/19 11:41
S24	3	S22 and S23	EPO; JPO	ADJ	ON	2007/05/19 11:37
S25	44602	(palladium or Pd) near4 (Rhodium or Rh)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/19 11:41
S26	17237	catalytic converter	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/19 11:42
S27	1694	S25 and S26	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/19 11:42
S28	2	S27 and (S22 or S13)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/19 11:59
S29	95	alloying conditions	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/19 12:07
S30	1008999	percent or percentage	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/19 12:09
S31	7	S30 near5 (S18 or S22)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/19 12:07
S32	1363588	percent or percentage or "%"	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/19 12:09
S33	47	S32 with (S18 or S22)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/19 12:35

## EAST Search History

S34	1355	alloy formation	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/19 12:35
S35	119	S34 and S25	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/19 13:43
S36	0	Impact of Pt-Rh and Pd-Rh Interactions	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/19 13:43
S37	0	Impact of and Interactions	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/19 13:43
S38	0	Impact of	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/19 13:44
S39	583001	Impact	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/19 13:44
S40	1219	impact near4 interactions	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/19 13:44
S41	35	impact near4 interactions near4 performance	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/19 15:09
S42	1	10/734014	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/20 09:48
S43	108610	Ce or cerium	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/20 09:50
S44	8940	gamma alumina or ".gamma. alumina" or gamma-alumina or gamma "Al.sub.2O.sub.3" or gamma near4 "Al.sub.2.O3" or gamma Al2O3 or gamma near4 Al2O3 or gamma near4 AISUB2/SUBOSUB3/SUB	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/20 09:52
S45	9424	gamma alumina or ".gamma. alumina" or gamma-alumina or gamma "Al.sub.2O.sub.3" or gamma near4 "Al.sub.2.O.sub.3" or gamma Al2O3 or gamma near4 Al2O3 or gamma near4 AISUB2/SUBOSUB3/SUB	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/20 09:52
S46	41339	pore near3 diameter	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/20 11:32

## EAST Search History

S47	993	S43 with S45	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/20 09:53
S48	5	S46 same S47	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/20 10:00
S49	39	("2071119"   "3741725"   "3751508"   "3791992"   "4049582").PN. OR ("4239656"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/20 09:59
S50	233	S46 and S47	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/20 10:01
S51	41	S50 and exhaust	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/20 10:01
S52	50	S50 and (exhaust or catalytic converter or internal combustion)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/20 10:52
S53	5	S49 and S43 and S46	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/20 10:18
S54	311	S43 and S45 and S46 near5 (ang or mu or nanometer or nano or micrometer or nm or angstrom or micron)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/20 10:20
S55	119	S54 and (exhaust or catalytic converter)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/20 10:20
S56	2	((("4189405") or ("5075276"))).PN.	US-PGPUB; USPAT	OR	OFF	2007/05/20 10:53
S57	39	("2071119"   "3741725"   "3751508"   "3791992"   "4049582").PN. OR ("4239656"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/20 11:30
S58	18	S57 and S43	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/20 11:30
S59	9	S58 and S45	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/20 11:30
S60	5	S59 and pore	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/20 11:31
S61	106830	pore near3 (diameter or size)	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/20 12:29

## EAST Search History

S62	2814	oxygen storage	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/20 12:30
S63	3	S62 with cubic structure	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/20 12:34
S65	4360	"Ce.sub."\$	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/20 12:45
S66	6294	"Zr.sub."\$	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/20 12:45
S67	13997	"La.sub."\$	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/20 12:45
S69	85694	"Y.sub."??? or "Y.sub."?? or "Y.sub." "?"	US-PGPUB; USPAT	ADJ	ON	2007/05/20 12:47
S70	8912	"Pr.sub."\$	US-PGPUB; USPAT	ADJ	ON	2007/05/20 12:48
S71	0	S65 near S66 near S67 near S69 near S70	US-PGPUB; USPAT	ADJ	ON	2007/05/20 12:48
S72	0	S65 near3 S66 near3 S67 near3 S69 near3 S70	US-PGPUB; USPAT	ADJ	ON	2007/05/20 12:49
S73	133	S65 near S66	US-PGPUB; USPAT	ADJ	ON	2007/05/20 12:50
S74	2384	oxygen storage	US-PGPUB; USPAT	ADJ	ON	2007/05/20 12:50
S75	3	S74 and S65 and S66 and S67 and S69 and S70	US-PGPUB; USPAT	ADJ	ON	2007/05/20 12:50
S76	7	("4581343"   "5075276").PN. OR ("6585944").URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/20 12:53
S77	46	("4283308"   "4378307"   "4426319").PN. OR ("4581343"). URPN.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/20 13:00
S78	61	"Ce.sub.0.376"\$ or "Ce.sub.0.25"\$	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/20 13:02
S79	73	\$"Ce.sub.0.376"\$ or \$"Ce.sub.0. 25"\$	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/20 13:22
S80	1	"6468941".pn.	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/20 13:18

## EAST Search History

S81	827	\$"Zr.sub.0.5"\$ or \$"Zr.sub..5"\$ or \$"Zr.sub.0.65"\$ or \$"Zr.sub..65"\$	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/20 13:22
S82	73	\$"Ce.sub.0.376"\$ or \$"Ce.sub.0.25"\$ or \$"Ce.sub..376"\$ or \$"Ce.sub..25"\$	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/20 13:22
S83	29	S81 and oxygen storage	US-PGPUB; USPAT; USOCR	ADJ	ON	2007/05/20 13:22
S84	0	WO02004004898	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/20 13:27
S85	0	WO02004004898A	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/20 13:27
S86	0	WO02004004898A1	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/20 13:27
S87	0	WO020040004898A1	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/20 13:27
S88	0	WO020040004898	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/20 13:27
S89	0	WO20040004898	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/20 13:27
S90	0	WO2004004898	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/20 13:29
S91	1	WO "2004004898"	US-PGPUB; USPAT; EPO; JPO	ADJ	ON	2007/05/20 13:29